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MAR 0 1 2004 Practitioner

Practitioner's Docket No. 944-3.150-1

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Gian Paolo Mattellini

Application No.: 10/698,341

Group No.: 2681

Filed: October 31, 2003

Examiner: NA

For: METHOD AND APPARATUS FOR ESTIMATING THE IMPULSE RESPONSE OF A

RADIO CHANNEL BASED ON A CALCULATED CORRELATION SEQUENCE

Mail Stop Missing Parts Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

COMPLETION OF FILING REQUIREMENTS - NONPROVISIONAL APPLICATION

(check and complete this item, if applicable)

I. This replies to the Notice to File Missing Parts of Application (PTO-1533) mailed February 3, 2004.

NOTE:

If these papers are filed before the office letter issues, adequate identification of the original papers should be made, e.g., in addition to the name of the inventor and title of invention, the filing date based on the "Express Mail" procedure, the serial number from the return post card or the attorney's docket number added.

- ☑ A copy of the Notice to File Missing Parts of Application Filing Date Granted (Form PTO-1533) is enclosed.
- NOTE: The PTO requires that a copy of Form PTO-1533 be returned with the response to the notice to file missing parts to the application.

CERTIFICATE OF MAILING/TRANSMISSION (37 C.F.R. § 1.8(a))

I hereby certify that this correspondence is, on the date shown below, being:

MAILING

 deposited with the United States Postal Service with sufficient postage as first class Mail in an envelope addressed to the Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450.

FACSIMILE

☐ transmitted by facsimile to the Patent and Trademark Office.

Şignature

Jodie Droniak

(type or print name of person certifying)

 $D_{\text{ate:}} 2 / 27 / 06$

DECLARATION OR OATH

II.	X			laration or oath was filed. Enclosed is the original declaration or oath for plication.
NC	OTE:	w. de	ithout a eclaratio	rrect inventor or inventors are not named on filing a nonprovisional application under § 1.53(b) in executed oath or declaration under § 1.63, the later submission of an executed oath or on under § 1.63 during the pendency of the application will act to correct the earlier identification or ship. 37 C.F.R. § 1.48(f)(1).
				OR
				e declaration or oath that was filed was determined to be defective. A new ginal oath or declaration is attached.
		N	OTE:	For surcharge fee for filing declaration after filing date complete item VI(3) below.
		N	OTE:	"The following combinations of information supplied in an oath or declaration filed after the filing date are acceptable as minimums for identifying a specification and compliance with any one of the items below will be accepted as complying with the identification requirement of 37 C.F.R. § 1.63:
				"(A) application number (consisting of the series code and the serial number, e.g., 08/123,456;
				"(B) serial number and filing date;
				"(C) attorney docket number which was on the specification as filed;
				"(D) title which was on the specification as filed and reference to an attached specification which is both attached to the oath or declaration at the time of execution and submitted with the oath or declaration; or
				"(E) title which was on the specification as filed and accompanied by a cover letter accurately identifying the application for which it was intended by either the application number (consisting of the series code and the serial number, e.g., 08/123,456), or serial number and filing date. Absent any statement(s) to the contrary, it will be presumed that the application filed in the PTO is the application which the inventor(s) executed by signing the oath or declaration."
				M.P.E.P. § 601.01(a) 7 th Ed.
		N	OTE:	Another minimum found acceptable in the declaration is the filing date (i.e., date of express mail) and the express mail number, useful where the serial number is not yet known. But note the practice where the express mail deposit is a Saturday, Sunday or holiday within the District of Columbia. 37 C.F.R. § 1.10(c).
				(complete (c) or (d), if applicable)
At	tache	ed	is a	
	(c) [ם		ment by a registered attorney that the application filed in the PTO is the cation that the inventor executed by signing the declaration.
	(d) [ב		ment that the "attached" specification is a copy of the specification and any adments thereto that were filed in the PTO to obtain the filing date.
				AMENDMENT CANCELLING CLAIMS
111	. [_	Canc	el claims inclusive.

TRANSMITTAL OF ENGLISH TRANSLATION OF NON-ENGLISH LANGUAGE PAPERS

IV. 🗆	Submitted herewith is an English translation of tapplication papers as originally filed. Also submitted here translator of the accuracy of the translation. It is requestied as the copy for examination purposes in the PTO.	rewith is a statement by the
NOTE: F	or fee processing a non-English application, complete item VI(5) below.	
	non-English oath or declaration in the form provided by the PTO nec. 69(b).	ed not be translated. 37 C.F.R. §
	SMALL ENTITY STATUS	
v. 🗆	A statement that this filing is by a small entity	
	(check and complete applicable items)	
	□ is attached.	
	☐ A separate refund request accompanies this paper	oer.
	□ was filed on (original).	
	COMPLETION FEES	
VI.		
WARNII	IG: Failure to submit the surcharge fees where required will cause th abandoned. 37 C.F.R. § 1.53.	e application to become
NOTE:	For effect on fees of failure to establish status, or change status, as a 1.28(a).	small entity, see 37 C.F.R. §
1. Fili	ng fee	
X	original patent application (37 C.F.R. § 1.16(a) - \$770.00; small entity - \$385.00)	\$ 770.00
	design application (37 C.F.R. § 1.16(f) - \$340.00; small entity - \$170.00)	\$
		\$
2. Fe	es for claims	
0	each independent claim in excess of 3 (37 C.F.R. § 1.16(b) - \$86.00; small entity - \$43.00)	\$
_	each claim in excess of 20 (37 C.F.R. § 1.16(c) - \$18.00; small entity - \$9.00)	<u>\$</u>
0	multiple dependent claim(s) (37 C.F.R. § 1.16(d) - \$290.00; small entity - \$145.00)	\$

3.	Sur	charge Fees					
	X	late payment of filing § 1.16(e) - \$130.00);	fee and/or late filing of original	declaration or oath (37 C.F.R. \$ 130.00			
NOTE		ven where a facsimile decla e surcharge fee is required.	ration or oath signed by the inventor(s)) was part of the originally filed papers,			
NOTE	u	nder § C.F.R. § 1.16(e) is		he original papers, the Office practice e paid whether the later filed oath or e time or at different times.			
4.		Petition and fee for inventors or a person (37 C.F.R. §§ 1.17(i) a		\$			
		specification in a non-	an application filed with a English language and 1.52(d) - \$130.00)	\$			
			d retention of application and 1.53(d) - \$130.00)	\$			
	×	Assignment (See SHEET".)	"ASSIGNMENT COVER	\$ 40.00			
NOTE	fa C b	iling to complete the applica. F.R. §§ 1.53 and 1.78, indi	ation pursuant to 37 C.F.R. § 1.53(f) a icate that in order to obtain the benefi	ny application which is abandoned for and this, as well as the changes to 37 t of a prior U.S. application, either the n 1 year of notification under § 1.53(f)			
			Total completion fees	<u>\$ 940.00</u>			
VII.			EXTENSION OF TIME				
		(co	omplete (a) or (b), as applicable	e)			
			or a patent application, and the				
(a)	(a) ☐ Applicant petitions for an extension of time, the fees for which are set out in 37 C.F.R. § 1.17(a)(1)-(4), for the total number of months checked below:						
		ension onths)	Fee for other than small entity	Fee for small entity			
0000	two thre fou	e month o months ee months r months months	\$ 110.00 \$ 420.00 \$ 950.00 \$1,480.00 \$2,010.00	\$ 55.00 \$ 210.00 \$ 475.00 \$ 740.00 \$1,005.00			

If an additional extension of time is required, please consider this a petition therefor.

(Completion of Filing Requirements – Nonprovisional Application [5-1] – page 4 of 6)

Fee:

(check and complete the next item, if applicable)

		An extension for months has already been secured, and the fee paid therefore of \$ is deducted from the total fee due for the total months of extension now requested.
		Extension fee due with this request \$ or
(b)	X	Applicant believes that no extension of term is required. However, this conditional petition is being made to provide for the possibility that applicant has inadvertently overlooked the need for a petition and fee for extension of time.
∕ 131.		TOTAL FEE DUE
V 1111.	The	e total fee due is: 940.00
		Completion fee(s) \$

Total Fee Due \$ 940.00

PAYMENT OF FEES

IX.

Enclosed is a check in the amount of \$ 940.00.

Extension fee (if any)

NOTE: Fees should be itemized in such a manner that it is clear for which purpose the fees are paid. 37 C.F.R. § 1.22(b).

Please charge Account No. 23-0442 for any fees that may be due by this paper.

AUTHORIZATION TO CHARGE ADDITIONAL FEES

X

WARNING: Accurately count claims, especially multiple dependant claims, to avoid unexpected high charges if extra claims are authorized.

- NOTE: "Amounts of twenty-five dollars or less will not be returned unless specifically requested within a reasonable time, nor will the payer be notified of such amounts; amounts over twenty-five dollars may be returned by check or, if requested, by credit to a deposit account." 37 C.F.R. § 1.26(a).
 - The Commissioner is hereby authorized to charge the following additional fees that may be required by this paper and during the pendency of this application to Account No. 23-0442.

□ 37 C.F.R. § 1.16(a), (f) or (g) (filing fees)

37 C.F.R. § 1.16(b), (c) and (d) (presentation of extra claims)

NOTE: Because additional fees for excess or multiple dependent claims not paid on filing or on later presentation must only be paid or these claims cancelled by amendment prior to the expiration of the time period set for response by the PTO in any notice of fee deficiency (37 C.F.R. § 1.16(d)), it might be best not to authorize the PTO to charge additional claim fees, except possibly when dealing with amendments after final action.

(Completion of Filing Requirements - Nonprovisional Application [5-1] - page 5 of 6)

- ☑ 37 C.F.R. § 1.17(a)(1)-(5) (extension fees pursuant to § 1.136(a))
- ☑ 37 C.F.R. § 1.17 (application processing fees)

NOTE: "A written request may be submitted in an application that is an authorization to treat any concurrent or future reply, requiring a petition for an extension of time under this paragraph for its timely submission, as incorporating a petition for extension of time for the appropriate length of time. An authorization to charge all required fees, fees under § 1.17, or all required extension of time fees will be treated as a constructive petition for an extension of time in any concurrent or future reply requiring a petition for an extension of time under this paragraph for its timely submission. Submission of the fee set forth in § 1.17(a) will also be treated as a constructive petition for an extension of time in any concurrent reply requiring a petition for an extension of time under this paragraph for its timely submission." 37 C.F.R. § 1.136(a)(3[11]).

- □ 37 C.F.R. § 1.18 (issue fee at or before mailing of Notice of Allowance, pursuant to 37 C.F.R. § 1.311(b))
- NOTE: Where an authorization to charge the issue fee to a deposit account has been filed before the mailing of a Notice of Allowance, the issue fee will be automatically charged to the deposit account at the time of mailing the notice of allowance. 37 C.F.R. § 1.311(b).
- NOTE: 37 C.F.R. § 1.28(b) requires "Notification of any change in loss of entitlement to small entity status must be filed in the application...prior to paying, or at the time of paying...issue fee..." From the wording of 37 C.F.R. § 1.28(b): (a) notification of change of status must be made even if the fee is paid as "other than a small entity" and (b) no notification is required if the change is to another small entity.

SIGNATURE OF PRACTITIONER

Reg. No. 41,266

James A. Retter

(type or print name of practitioner)

Tel. No.: (203) 261-1234

WARE, FRESSOLA, VAN DER SLUYS

& ADOLPHSON LLP

Bradford Green, Bldg. Five 755 Main St., P.O. Box 224

Customer No. 004955 Monroe, CT 06468

BINED DECLARATION AND POWER OF ATTORNEY

944-003 150-1 (Docket Number)

As a below named inventor, I hereby declare that:

- my residence, post office address and citizenship are as stated below next to my name;
- I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled; METHOD AND APPARATUS FOR ESTIMATING THE IMPULSE RESPONSE OF A RADIO CHANNEL BASED ON A CALCULATED CORRELATION SEQUENCE;
- the specification of which is attached hereto unless the following box is checked. Z. If the box is checked,

the application was filed on October 31, 2003,

as U.S. Application Number 10/698,341,

or PCT International Application Number

and was amended on

(if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

1 acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR §1.56.

I hereby claim foreign priority benefits under 35 U.S.C. §119(a)-(d) or §365(b) of any foreign application(s) for patent or inventor's certificate, or §365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed.

	Priority Not Claimed		
(Application Number)	(Country)	(Day/Month/Year Filed)	
(Application Number)	(Country)	(Day/Month/Year Filed)	

To the extent permitted by rule or law. I hereby incorporate by reference the Prior Foreign Application(s) listed above.

Thereby claim the benefits under 35 U.S.C. \$119(e) of any United States provisional application(s) listed below:

60/423,851	Nov. 5, 2002	
(Provisional Application Number)	(Day/Month/Year Filed)	
(Provisional Application Number)	(Day/Month/Year Filed)	

I hereby claim the benefit under 35 U.S.C. §120 of any United States application(s), or §365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. §112, I acknowledge the duty to disclose information which is material to patentability, as defined in 37 CFR §1.56, which became available between the filing date of the prior application and the national or PCT International filing date of this application.

(Application Number)	(Day/Month/Year Filed)	(Statuspatented, pending, abandoned)
(Application Number)	(Day/Month/Year Filed)	(Status-patented, pending, abandoned)

Electronic POA Form

I hereby appoint and authorize the attorney(s) and/or agent(s) assigned to customer number 4955, as may from time to time be amended, belonging to the firm of Ware, Fressola, Van Der Sluys & Adolphson LLP, to represent me in prosecuting this application and in transacting all business in the Patent and Trademark Office connected therewith.

Address all telephone calls to: Ware, Eressola, Van Der Shrys & Adolphson LLP at (203) 261-1234. Address all correspondence to customer number: 4955.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both; under Section 1001 of Title 18 of the United States Code; and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Gian Paolo MA Fult name of sole or first inventor (given name, midd	ATTELLINI Ilė initiai, FAMILY N	AME(S) IN UPPER	CASE
Gwestavlo Hattellui Inventor's Signature	07 January 2004		
Helsi nki, F inland Residence		Citi	alian conship
Post Office Address: Sörnüisten Rantatio 10 B 51, 00536	, Helsinki, Finla	nd.	
TAMERENKATU 18B27, 001	80 07 50	znuozy 2004	Courado Tatelli
Full name of second inventor (given name, middle	initial FAMILY NA	ME(S) IN UPPER C	ASE)
Inventor's Signature		Date	
Residence			enship
Post Office Address:	***************************************	Citta	casmp
Full name of third inventor (given name, middle in Inventor's Signature	nidel, FAMILY NAM	E(S) IN UPPER CA	SE)
Residence		Çitiz	enship
Post Office Address:			
Full name of fourth inventor (given name, middle i	niúal, FAMILY NAM	ME(S) IN UPPER CA	SE)
Inventor's Signature		Date	·
Residence			Citizenship
Post Office Address: .			
Additional inventors are being named on separately numb	ered sheets attached	l hereto.	· .